



Substitute for form 1449A/PTO INFORMATION DISCLOSURE **Application Number** 09/623,922 STATEMENT BY APPLICANT August 31, 2001 (Use as many sheets as necessary) **Filing Date** Papadopoulos, Vassilios First Named Inventor **Group Art Unit** 1647 Dang, Ian **Examiner Name** Attorney Docket No: 1941.017US1 Sheet 2 of 3

		HER DOCUMENTS NON PATENT LITERATURE DOCUMENTS	( <del>-</del> 2
Examiner Initials*	Cite No 1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
		HARDER, T, et al., "Specific release of membrane-bound annexin II and cortical	
		cytoskeletal elements by sequestration of membrane cholesterol", Mol Biol Cell., 8(3), (1997),533-45	
		HARDWICK, M., et al., "Abstract #1569 The Peripheral-type Benzodiazepine Receptor in	
		Human Breast Cancer", <u>Proceedings of the American Association for Cancer Research</u> , 38, (April 1997),233	
		HARDWICK, M., "Peripheral-Type Benzodiazepine Receptor (PBR) in Human Breast	Ĭ
l		Cancer: Correlation of Breast Cancer Cell Aggressive Phenotype with PBR Expression,	
		Nuclear Localization, and PBR-mediated Cell Proliferation and Nuclear Transport of	
		Cholesterol", Cancer Research, 59(4), (1999),831-842	L
}		HORINOUCHI, S, et al., "Cloning, nucleotide sequence, and transcriptional analysis of	
		the NAD(P)-dependent cholesterol dehydrogenase gene from a Nocardia sp. and its	
		hyperexpression in Streptomyces spp.", Appl Environ Microbiol., 57(5), (1991),1386-1393	_
		ISHIZAKI, T, et al., "Nucleotide sequence of the gene for cholesterol oxidase from a Streptomyces sp", Journal of Bacteriology, (1991),596-601	
		JOSEPH-LIAUZUN, EVELYNE, et al., "Topological analysis of the peripheral	$\vdash$
]		benzodiazepine receptor in yeast mitochondrial membranes supports a five-	
İ		transmembrane structure", <u>J Biol Chem.</u> , 273(4), (January1998),2146-52	
		KAI, M, et al., "Synchronous circadian rhythms of mRNA levels and activities of	Т
ŀ		cholesterol 7 alpha hydroxylase in the rabbit and rat", Journal of Lipid Research, 36,	
		(1995),367-374	
Ī		KOZIKOWSKI, A. P., et al., "Synthesis and Biology of a 7-Nitro-2,1,3-benzoxadiazol-4-yl	
		Derivative of 2-Phenylindole-3-acetamide: A Fluorescent Probe for the Peripheral-Type	
		Benzodiazepine Receptor", Journal of Medicinal Chemistry, 40(16), (1997),2435-2439	
		KRUEGER, K. E., "Peripheral-type Benzodiazepine Receptors Mediate Translocation of	
-		Cholesterol from Outer to Inner Mitochondrial Membrances in Adrenocortical Cells", The	
		Journal of Biological Chemistry, 265(25), (1990),15015-15022	
		LI, H., et al., "M. musculus peripheral benzodiazepine receptor associated protein",  Database EMBL [Online] AC AF022770, (October 1997),1 page	
		LI, H., "Peripheral-type benzodiazepine receptor function in cholesterol transport.	
		Identification of a putative cholesterol recognition/interaction amino acid sequence and	
		consensus pattern", Endocrinology, 139(12), (1999),4991-4997	
ŀ		LIU, JUN, et al., "Molecular cloning, chromosomal localization of human peripheral-type benzodiazepine receptor- and protein kinase A regulatory subunit type 1A (PRKAR1A)-	
		associated protein PAP7 and studies in PRKAR1A mutant cells and tissues", The FASEB	
		Journal, express article 10.1096/fj.02-1066fje, (April 2003),27 pgs.	
		MIETTINEN, H., "Expression of peripheral-type benzodiazepine receptor and diazepam	_
		binding inhibitor in human astrocytomas: relationship to cell proliferation", Cancer	
		Research, 55(12), (June 15, 1995),2691-2695	
		MURATA, M., et al., "VIP21/caveolin is a cholesterol-binding protein", Proc Nat Acad Sci.	
		92(22), (1995),10339-10343	

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	ОТ	HER DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No 1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T'
		NILSSON, J, et al., "cDNA cloning of human-milk bile-salt-stimulated lipase and evidence	ł
		for its identity to pancreatic carboxylic ester hydrolase", European Journal of	
}		Biochemistry, 192(2), (1990),543-550	
		PAPADOPOULOS, V., et al., "CHOLESTEROL RECOGNITION SEQUENCE", US	
		Patent Application Ser. No. 09/623,922, filed September 11, 2000	
		PAPADOPOULOS, V., et al., "PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR: A	
[		TOOL FOR DETECTION, DIAGNOSIS, PROGNOSIS, AND TREATMENT OF	1
		CANCER", US Patent Application Ser. No. 09/646,932, filed September 25, 2000	1
		PAPADOPOULOS, V, "Peripheral-type benzodiazepine/diazepam binding inhibitor	<del> </del>
		receptor: biological role in steroidogenic cell function", Endocrine Review, 14(2),	,
:		(1993),222-240	j
		PAPADOPOULOS, V, "Structure and function of the peripheral-type benzodiazepine	<del> </del>
		receptor in steroidogenic cells", <u>Proceedings of the Society for Experimental Biology &amp; </u>	ļ
1		Medicine, 217(2), (February 1998),130-142	}
		PAPADOPOULOS, V., et al., "Targeted Disruption of the Peripheral-Type	
1		Benzodiazepine Receptor Gene Inhibits Steroidogenesis in the R2C Leydig Tumor Cell	
		Line", The Journal of Biological Chemistry, 22(51), American Society of Biological	
ŀ		Chemists, Baltimore,(December 1997),32129-22135	
		PAPADOPOULOS, VASSILIOS, et al., "The Peripheral-type Benzodiazepine Receptor Is	
		Functionally Linked to Leydig Cell Steroidogenesis", <u>Journal of Biological Chemistry</u>	
		265(7), (March 1990),3772-3779	
		PAPE, M.E., et al., "Tissue specific changes in acyl-CoA: cholesterol acyltransferase	
		(ACAT) mRNA levels in rabbits", Journal of Lipid Research, 36(4), (1995),823-838	
		PIKULEVA, IRINA A., "Active-site topology of bovine cholestrol side-chain cleavage	
ļ		cytochrome P450 (P450scc) and evidence for interaction of tyrosine 94 with the side	
1		chain of cholesterol", <u>Archives of Biochemistry and Biophysics</u> , 322(1), (September	
+		1995),189-97	
		PORTER, J A., et al., "Cholesterol modification of hedgehog signaling proteins in animal	
		development", Science, 274(5285), (1996),255-9	
		STOCCO, D.M., et al., "Regulation of the acute production of steroids in steroidogenic	
		cells", Endocr Rev., 17(3), (1996),221-44	
		SU, P, "A cDNA encoding a rat mitochondrial cytochrome P450 catalyzing both the 26-	
1		hydroxylation of vitamin D3: gonadotropic regulation of the cognate mRNA in ovaries",	
-		DNA and Cell Biology 9(9), (November 1990),657-67	
		TAKETANI, S, et al., "Induction of peripheral-type benzodiazepine receptors during	
•	j		ļ
		differentiation of mouse erythroleukemia cells. A possible involvement of these receptors	j
		in heme biosynthesis", <u>Journal of Biological Chemistry</u> , (1994),7527-7531	i

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		US PAT	ENT DOCUMENTS	
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-20030157095A1	08/21/2003	Papadopoulos, V.	03/25/1998
	US-20060106202A1	05/18/2006	Papadopoulos, V., et al.	01/13/2006
	US-5,350,836	09/27/1994	Kopchick, J. J., et al.	05/04/1992
	US-5,948,676	09/07/1999	Chang, Y., et al.	10/10/1996

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited  Document	T²
	WO-0001821A2	01/13/2000	Lal, P., et al.	
	WO-0009549A2	02/24/2000	Papadopoulos, V.	
	WO-9503325	02/02/1995	Lehrer, Robert L., et al.	
	WO-9718826	05/29/1997	Chang, Conway C., et al.	
	WO-9946389	09/16/1999	Goldenberg, David M., et al.	
	WO-9946575	09/16/1999	Pauadopoulos, V	
	WO-9949316A2	09/30/1999	Papadopoulos, V., et al.	

	OT	HER DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
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		"Extended European Search Report and communication - Application No. 06076592.2 – 1223, (September 29, 2006), 9 pgs	
		"International Search Report in PCT/US 99/05853", 5 Pages	
		BOYLE, T.P., "Structure of the murine gene encoding apolipoprotein A-I.", Gene, 117(2), (August 1992),243-247	
		COLLES, S. M., et al., "Cholesterol interaction with recombinant human sterol carrier protein-2", Lipids, 30(9), (1995),795-803	
		EVER, L, et al., "Two alternatively spliced Meig1 messenger RNA species are differentially expressed in the somatic and in the germ-cell compartments of the testis", Cell Growth Differ., 10(1), (January 1999),19-26	
		FARGES, R, "Site-directed mutagenesis of the peripheral benzodiazepine receptor: identification of amino acids implicated in the binding site of Ro5-4864", Mol. Pharmacol., 46(6), (December 1994),1160-7	
		GALIEGUE, S., et al., "Cloning and Characterization of PRAX-1 - A New Protein that Specifically Interacts with the Peripheral Benzodiazepine Receptor", The Journal of Biological Chemistry, 274(5), (January 1999),2938-2952	
		GARNIER, et al., "In vitro reconstitution of a functional peripheral-type benzodiazepine receptor from mouse Leydig tumor cells", Molecular Pharmacology, 45, (1994),201-211	
		GLENNEY, J R., "The sequence of human caveolin reveals identity with VIP21, a component of transport vesicles.", FEBS Letters, 314(1), (December 1992),45-48	

DATE CONSIDERED **EXAMINER**